

Ordering Information

Family	Lamps	Shielding	Wattage	Voltage	Length	Options
LFK	2 2 = 2 lamps per 4' (121.92cm)	N N = No Shielding	28 = 28w T5 54 = 54w T5 2D = 28w T5 Dimming 5D = 54w T5 Dimming 2E = 28w T5 Emergency Pack 5E = 54w T5 Emergency Pack	1 = 120v 2 = 277v	4 = 4' (121.92cm) 8 = 8' (243.84cm)	DS = Dual Switch X4 = 4 Through Wires X5 = 5 Through Wires

Complete Ordering Instructions below.

Features

- Extrusion:** Extruded aluminum, painted white.
- Housing:** Multi-layered 5/8" (1.59cm) thick polycarbonate panels with patented prism design. Clear outer layer and an opal non-glare inner layer. Light transmission is 32% ASTM D1003 perpendicular to the panel. Reflectivity is more than 40% perpendicular to the panel.
- Endcap:** Die cast aluminum, painted white.
- Ballast Channel:** Accepts linear fluorescent ballasts up to 1.2" (3.05cm) wide by 1.2" (3.05cm) tall.
- Lamp:** T5 linear fluorescent, 28 or 54 watt. (by others).

Electrical

Ballast: Electronic and meets A.N.S.I. starting, end of life protection, T.H.D., "A" sound rating, and end-of-life specifications. Factory installed ballast disconnect allows the ballast to be disconnected from and reconnected to incoming power under load without turning the entire circuit off.

Wiring: 3 Conductor 18 gauge wire. Color-coded quick connectors allow ease of connection for fixture modules.

Dimming: Advance Mark X. Use Advance compatible 2 wire control (no extra lead is required in the luminaire).

Emergency Battery Pack: 54 Watt: 390-700 Lumens for 90 minutes,
28 Watt: 370-520 Lumens for 90 minutes.

Dual Switching: Order the DS option for separate row switching. DS option comes complete with the 4th through wire option.

4 and 5 wire: Order X4 for EM Battery Pack. For non-standard dimming options order X5 option for Osram or DALI 54 watt dimming, X4 option for Lutron HiLume or ECO-10 54 Watt dimming.

Consult Factory for any additional wiring conditions.

Finish

Powder coated white baked enamel. Custom colors available, consult factory.

Mounting

Mounting locations are adjustable along the top of the extrusion. Cable suspension (not shown) consists of 4 1/2" (11.43cm) diameter canopy finished white enamel, 1/16" (0.16cm) diameter stainless steel aircraft cable adjustable up to 36" (91.44cm). Draw-tight connector to create hairline seam between joiner modules.

Ordering Instructions

Individual Fixtures:

- Order number of MODULES required.
- Order one POWER FEED CABLE END SET per MODULE.

Continuous Rows:

- Determine run length.
- Order the appropriate number of MODULES for the complete run.
- Order one POWER FEED CABLE END SET per run.
- Order one INTERMEDIATE CABLE SET per MODULE minus one per run.
- For runs that exceed amperage limits, order the appropriate number of CABLE/CORD SET.

Labels

UL , cUL and I.B.E.W. Patent Applied For.

Job Information

Type:

Job Name:

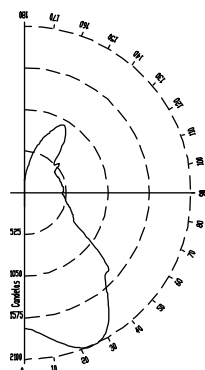
Cat. No.:

Lamp(s):

Notes:

Performance

CANDLEPOWER CURVE



REPORT NO.: ITL54307
LAMPS: 2-F54T5
LUMENS: 5000
EFFICIENCY: 87.2%
CAT NO.: LFK2N5414

CANDLEPOWER

ZONE DEG.	0	22	45	67	90
CANDELAS					
180	161	161	161	161	161
175	159	182	218	243	257
165	154	285	449	566	607
155	146	400	337	831	891
145	136	507	838	931	913
135	118	566	764	583	518
125	93	585	398	481	463
115	65	353	316	423	468
105	36	132	277	424	482
95	11	88	228	405	492
90	0	73	208	394	483
85	31	107	237	418	503
75	280	331	383	512	566
65	586	774	611	632	673
55	876	1228	1123	1048	960
45	1133	1497	1548	1446	1445
35	1352	1627	1892	1890	1856
25	1527	1692	1941	2078	2109
15	1646	1722	1846	1937	1979
5	1712	1720	1745	1751	1760
0	1709	1709	1709	1709	1709

COEFFICIENTS OF UTILIZATION % EFFECTIVE CEILING CAVITY REFLECTANCE

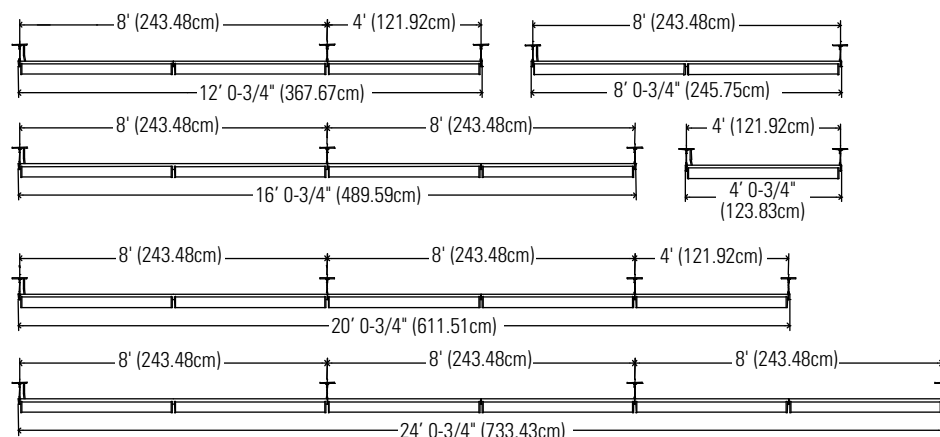
		80%			70%			50%		
		WALL REFLECTANCE								
		70	50	30	70	50	30	50	30	10
ROOM CAVITY RATIO	0	97	97	97	92	92	92	82	82	82
	1	88	84	80	83	79	76	71	69	66
	2	80	73	67	75	69	64	62	58	54
	3	73	64	57	69	61	55	55	50	45
	4	67	57	49	63	54	47	48	43	39
	5	61	50	43	58	48	41	43	38	33
	6	56	45	38	53	43	36	39	33	29
	7	52	41	33	49	39	32	35	30	25
	8	48	37	30	46	35	29	32	26	22
	9	45	34	27	42	32	26	29	24	20
10	42	31	24	40	30	23	27	22	18	

20% FLOOR CAVITY REFLECTANCE

DISTRIBUTION

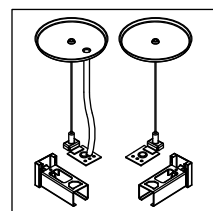
Zone	Lumens	% Lamp	% Luminaire
0-90	6130	61.1	70.0
90-180	2586	26.1	30.0
0-180	8716	87.2	100.0

Fixture Lengths & Mounting

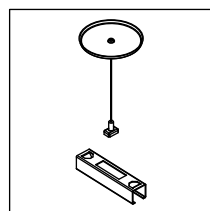


Note: All suspension points have 6" (15.24cm) of adjustment within each module. 12" (30.48cm) when two modules are joined. Field cutting of wire cover is required.

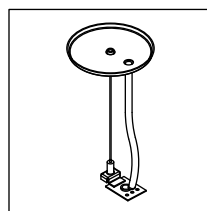
Mounting Accessories



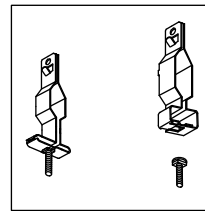
Power Feed Cable End Set
Cable length is 36" (91.44cm)
Straight Cord: **LFKEC36WH**
4 Wire Cord: **LFKEC36WHX4**
5 Wire Cord: **LFKEC36WHX5**



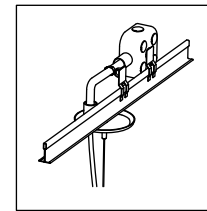
Intermediate Cable Set
Cable length is 36" (91.44cm)
Single Cable: **LFKC36**



Intermediate Cable/Cord Set
Cable length is 36" (91.44cm)
Straight Cord: **LFKCC36**
4 Wire Cord: **LFKCC36X4**
5 Wire Cord: **LFKCC36X5**



Ceiling Grid Kit (CGK)
Includes both standard 1" (2.54cm) Tee and Slot Tee Clip.
Order one for every non-powered suspension point.



Ceiling Grid Kit—Power (CGKP)
Includes the hardware necessary to install a power feed above a suspended ceiling. J-box not included. Order one for every powered suspension point.

Job Information

Type:

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
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